

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for manufacturing an electronic circuit arrangement in a motor vehicle fuel tank, comprising ~~the steps of:~~
arranging one or more electronic modules on a substrate[[,]]; ~~and~~
fixating said substrate with respect to a fuel tank wall[[,]]; and
~~connecting~~ soldering a cap to said substrate ~~so as to form an encapsulated space that~~
~~comprises,~~ said one or more electronic modules being disposed in said encapsulated space and is separated from any fuel or vapour outside said encapsulated space.
2. (Canceled).
3. (Currently Amended) An electronic circuit arrangement for measuring a fuel level in a motor vehicle fuel tank, comprising:
a substrate;
one or more electronic modules that are arranged on [[a]] the substrate, wherein said substrate is suitable for fixating with respect to a fuel tank wall[[,]]; and ~~further comprising~~
an encapsulating cap ~~connected~~ soldered to said substrate and forming an encapsulated space, ~~that comprises~~ said one or more electronic modules being disposed in said encapsulated space and ~~that is~~ separated from any fuel or vapour outside said encapsulated space.

4. (Canceled).
5. (Previously presented) An electronic circuit arrangement as claimed in claim 3, wherein said substrate is a ceramic substrate.
6. (Previously presented) An electronic circuit arrangement as claimed in claim 3, wherein said one or more electronic modules comprise a magnetically driven circuit or an ultrasound driven circuit for effecting said measuring.
7. (Currently Amended) A motor vehicle fuel tank, comprising:
an electronic circuit arrangement, ~~said electronic circuit arrangement for measuring~~
configured to measure a fuel level in said motor vehicle fuel tank, said electronic circuit arrangement ~~further~~ comprising:
one or more electronic modules that are arranged on a substrate, wherein said substrate is suitable for fixating with respect to a fuel tank wall, ~~and further comprising; and~~
an encapsulating cap ~~connected~~ soldered to said substrate and forming an encapsulating space ~~that contains,~~ said one or more electronic modules being disposed in said encapsulated space and ~~that is~~ separated from any fuel or vapour outside said encapsulated space.
8. (Previously presented) A motor vehicle fuel tank as claimed in claim 7, wherein said substrate comprises one or more electrical through-connections to an outside of said fuel tank.

9 (Currently Amended) A motor vehicle, comprising:

a fuel tank, said fuel tank ~~further~~ comprising:

an electronic circuit arrangement for measuring a fuel level in said fuel tank, said electronic circuit arrangement ~~further~~ comprising:

one or more electronic modules that are arranged on a substrate, wherein said substrate is suitable for fixating with respect to a fuel tank wall[[,]]; and ~~further comprising~~

an encapsulating cap ~~connected~~ soldered to said substrate and forming an encapsulating space, ~~that contains~~ said one or more electronic modules being disposed in said encapsulating space and ~~that is~~ separated from any fuel or vapour outside said encapsulated space.

10. (Canceled).

11. (Previously presented) A motor vehicle fuel tank as claimed in claim 7, wherein said substrate is a ceramic substrate.

12. (Previously presented) A motor vehicle fuel tank as claimed in claim 7, wherein said one or more electronic modules comprise a magnetically driven circuit or an ultrasound driven circuit for effecting said measuring.

13. (Canceled).

14. (Previously presented) A motor vehicle as claimed in claim 9, wherein said substrate is a ceramic substrate.

15. (Previously presented) A motor vehicle as claimed in claim 9, wherein said one or more electronic modules comprise a magnetically driven circuit or an ultrasound driven circuit for effecting said measuring.